

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Paragraph beginning on page 1, at prenumbered line 5, has been amended as follows:

A-1  
The present invention relates to a push button apparatus and more particularly to an improved apparatus that can increase the durability of the apparatus by altering the forcing ~~patent~~ pattern among components.

Paragraph beginning on page 6, at prenumbered line 11, has been amended as follows:

A2  
The push button top cap 3' has a bottom surface 30' and a protrusive hub 8 extending from the bottom surface 30'. The protrusive hub 8 forms a housing chamber 80 to receive the top section 79 of the interface structure 7. The protrusive hub 8 further has a receiving opening 81 of a selected height "m" formed at a an appropriate location corresponding to the retaining jut 711 of the interface structure 7. The selected height "m" is designed so as to provide a relative sliding allowance between the interface structure 7 and the push button top cap 3. As shown in FIG. 3, it is noted that the selected height "m" is greater than the stroke length "s" of the interface structure 7 in the protrusive hub 8.

Paragraph beginning on page 7, at prenumbered line 13, has been amended as follows:

A3  
cmf  
Referring now to FIG. 5, an analysis upon the interface structure 7 under forcing is illustrated (as far as destructive mechanics is ~~concern~~ concerned, the bending resulted from the forcing is most likely to cause damage on an elastic arm). Due to movement of the protrusive hub 8, the force-receiving surface 710 on the exterior side of the upper arm 71 can receive a force F that causes the interface structure 7 to tilt sideward and incur a reaction force. The reaction force includes a resistant force f incurred to a lower rim of the receiving opening 81 on the protrusive hub 8 that contacts the upper arm 71 at another side, and contact forces R1 and R2

A3  
amld

incurred between the lower installation space 71 of the interface structure 7 and the strut 51 of the micro switch 5. Apparently, the most likely destructive spot of the upper arm 71 is at the root section B. Based on elasticity and fracture mechanics, a compression force for the root section B is less destructive for plastic material than a tensile stress is (as shown in FIG. 2). Hence, according to the mechanics consideration, the whole apparatus of the present invention can provide a longer service lifetime than one structured by conventional techniques (as shown in FIG. 1).

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Application No. 10/075,287

**IN THE DRAWINGS:**

Please amend Figure 4 as illustrated in red on the attached photocopy.